

CLAIM

1. A part positioning method in which a part supported by a self-traveling
5 machine is positioned with respect to a part fitting object, comprising the steps of:
 setting on said part fitting object an engaging means provided on a tip end of a
 wire member which is possible to be pulled out and wound up;
 detecting a pulled-out length and an existing location of said wire member and
 moving said self-traveling machine to eliminate relative positional discrepancies
10 between said part fitting object and the part;
 fitting the part to said part fitting object in the state that the positional
 discrepancies are eliminated; and
 after fitting the part to said part fitting object, removing and retrieving said
 engaging means from said part fitting object.
- 15 2. A part positioning apparatus for positioning a part supported by a self-traveling
machine with respect to a part fitting object, comprising:
 an engaging means being provided on a tip end of a wire member so as to be
 set on said part fitting object;
 a sensed member for accommodating said wire member in such a state as to be
20 pulled out and wound up;
 a first sensor for detecting a pulled-out length of said wire member when said
 engaging means is set on said part fitting object;
 a second sensor for detecting an existing location of said wire member when
 said engaging means is set on said part fitting object; and
25 a controller means for controlling a traveling amount of said self-traveling
machine such that each of detection values of said first sensor and said second sensor is
in agreement with a reference value.